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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRM	
10/748,244 12/31/2003		Min-Seok Choi	P24738	6998
7055	7590 05/02/2006	EXAMINER		
GREENBLUM & BERNSTEIN, P.L.C. 1950 ROLAND CLARKE PLACE			STORMER, RUSSELL D	
RESTON, VA			ART UNIT	PAPER NUMBER
·			3617	

DATE MAILED: 05/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applic	ation No.	Applicant(s)				
Office Action Summary		10/748	3,244	CHOI, MIN-SEOK				
		Exami	ner	Art Unit				
		Russel	D. Stormer	3617				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHOWHICH - Extensing after SI - If NO pr - Failure Any rep	RTENED STATUTORY PERIOD F IEVER IS LONGER, FROM THE M ons of time may be available under the provisions X (6) MONTHS from the mailing date of this comn eriod for reply is specified above, the maximum st to reply within the set or extended period for reply ly received by the Office later than three months a patent term adjustment. See 37 CFR 1.704(b).	ALLING DATE OF of 37 CFR 1.136(a). In no nunication. atutory period will apply an will, by statute, cause the	THIS COMMUNICATION of event, however, may a reply be tind d will expire SIX (6) MONTHS from application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status								
1)⊠ F	Responsive to communication(s) file	ed on <u>14 February</u>	<u>2006</u> .					
2a)∐ T	This action is FINAL . 2b)⊠ This action is non-final.							
-	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
С	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositio	n of Claims							
5)□ C 6)⊠ C 7)□ C	Claim(s) <u>1-10</u> is/are pending in the act a) Of the above claim(s) is/act allowed. Claim(s) is/are allowed. Claim(s) <u>1-10</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restrict	re withdrawn from						
Applicatio	n Papers							
10)□ TI A R	the specification is objected to by the drawing(s) filed on is/are supplicant may not request that any objected to be called a specific placement drawing sheet(s) including the oath or declaration is objected to	a) accepted or ction to the drawing(s) be held in abeyance. Sequired if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority un	der 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice 3) Informa	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (Fation Disclosure Statement(s) (PTO-1449 or No(s)/Mail Date		4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:					

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Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 4, 5, and 8 are rejected under 35 U.S.C. 102(b) based upon a public use or sale of the invention.

Applicants' admitted prior art figure 1 (hereafter "Prior Art Fig. 1") clearly shows the torsion beam axle suspension to have left and right trailing arms, a torsion beam, and a shock absorber mount provided at the outermost ends of the trailing arms.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to

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consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 2, 6, and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prior Art Fig. 1 in view of MacIsaac.

Prior Art Fig. 1 meets all of the limitations of claims 1, 5, and 8 as set forth in paragraph 2 above, but does not show the shock absorber.

MacIsaac teaches a suspension assembly including a shock absorber. In figures 10 and 11 the connection between the axle and the shock absorber is in the form of a ball joint, including a ball stud and a socket. From this teaching it would have been obvious to provide the trailing arm suspension of Prior Art Fgi.1 with a shock absorber having a ball and socket joint as this would allow a wide range of movement between the shock absorber and the axle.

6. Claims 3, 7, and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prior Art Fig. 1 in view of MacIsaac as applied to claims 2, 6, and 9 above, and further in view of Molenaar (newly cited).

It is clear that the ball joint 250 of Molenaar would include a socket and a ball stud, but details of the ball and socket joint of MacIsaac are not shown.

Molenaar teaches a ball and socket joint comprising a socket 3 bored with at least one hole to receive a fastener 20, and a ball stud 21fitted in the socket. From this teaching it would have been obvious for the ball joint of Prior Art Fig. 1 as modified by MacIsaac to comprise a ball stud fitted in a socket for pivotal movement, and the socket

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having at least one bore for receiving a fastener so that the socket could be fastened to

the axle assembly.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure. The references show other shock absorbers and ball joints.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Russell D. Stormer whose telephone number is (571)

272-6687. The examiner can normally be reached on Monday through Friday, 9 AM to

4 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Joe Morano can be reached on (571) 272-6684. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

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